Figure 1

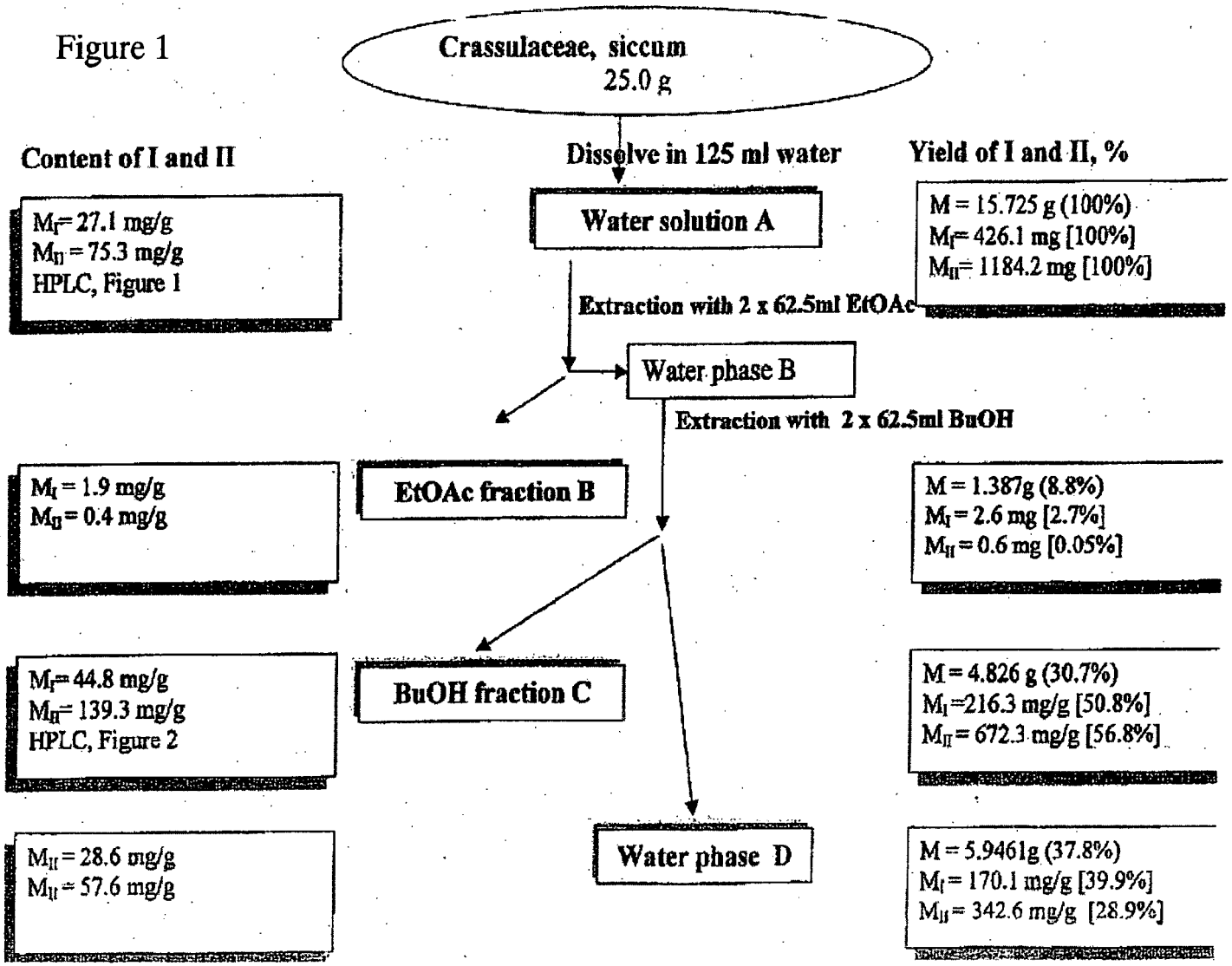

Crassulaceae, siccum
25.0 g
Dissolve in 125 ml water
Content of I and II
Yield of I and II, %
M_I= 27.1 mg/g
M_II = 75.3 mg/g
HPLC, Figure 1
Water solution A
M = 15.725 g (100%)
M_I= 426.1 mg [100%]
M_II= 1184.2 mg [100%]
Extraction with 2 x 62.5ml EtOAc
Water phase B
Extraction with 2 x 62.5ml BuOH
M_I = 1.9 mg/g
M_II = 0.4 mg/g
EtOAc fraction B
M = 1.387g (8.8%)
M_I = 2.6 mg [2.7%]
M_II = 0.6 mg [0.05%]
M_I= 44.8 mg/g
M_II= 139.3 mg/g
HPLC, Figure 2
BuOH fraction C
M = 4.826 g (30.7%)
M_I =216.3 mg/g [50.8%]
M_II = 672.3 mg/g [56.8%]
M_II = 28.6 mg/g
M_II = 57.6 mg/g
Water phase D
M = 5.9461g (37.8%)
M_I = 170.1 mg/g [39.9%]
M_II = 342.6 mg/g [28.9%]

Figure 2

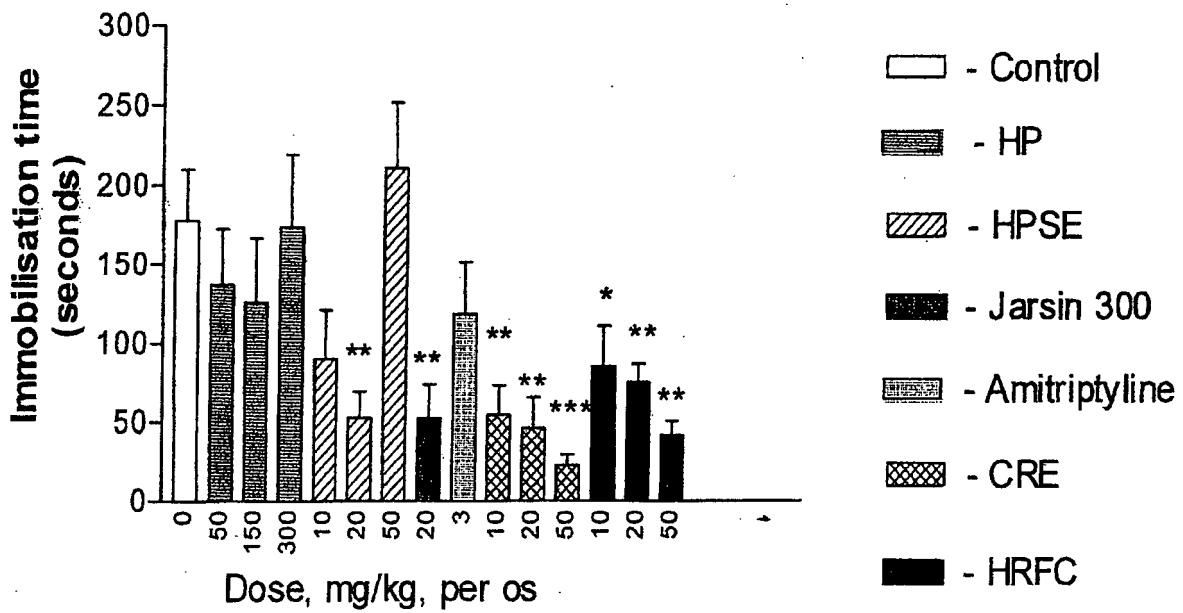

Immobilisation time (seconds)
300
250
200
150
100
50
0
0
50
150
300
10
20
50
20
3
10
20
50
10
20
50
Dose, mg/kg, per os
- Control
- HP
- HPSE
- Jarsin 300
- Amitriptyline
- CRE
- HRFC

Figure 3

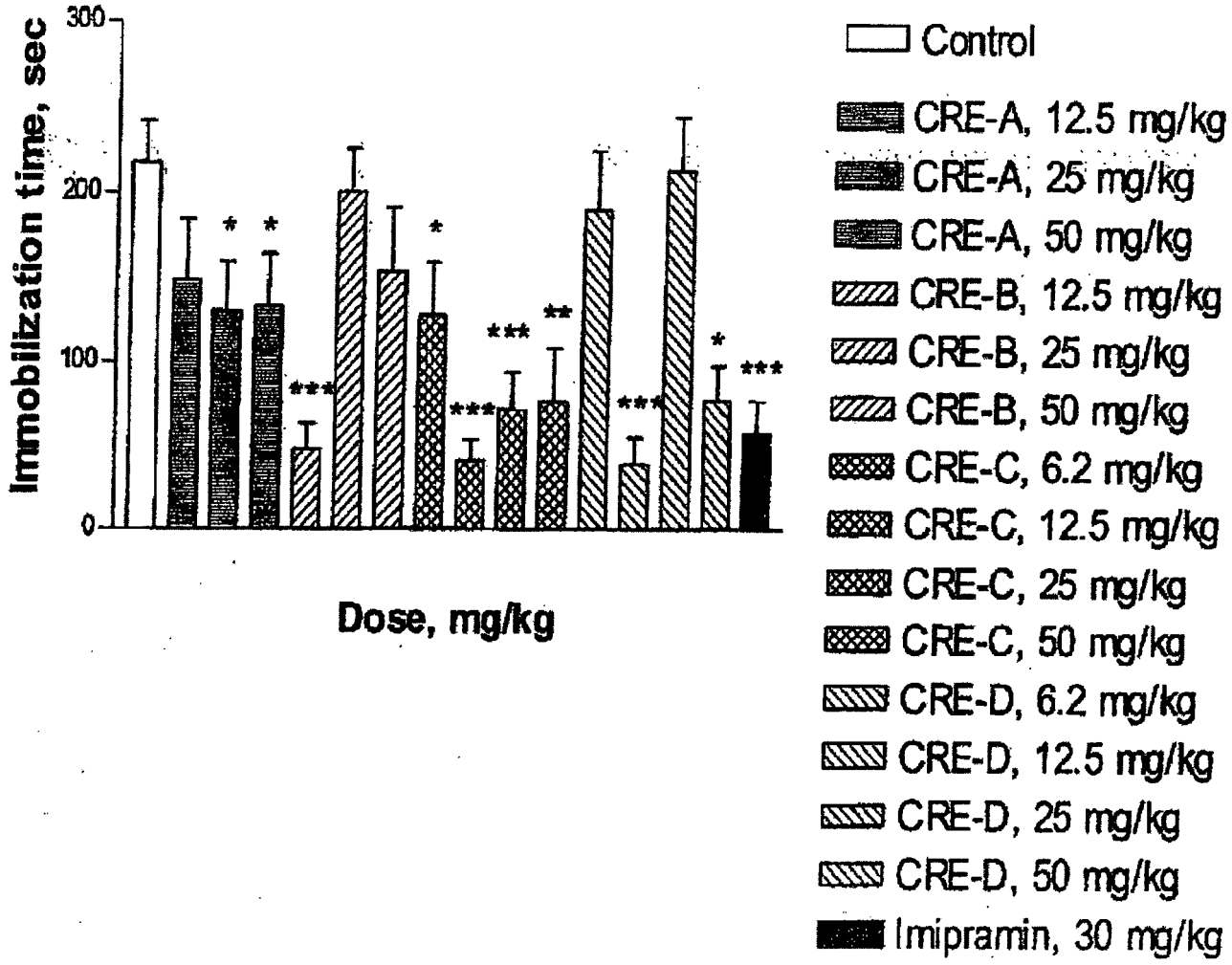

Immobilization time, sec
300
200
100
0
Dose, mg/kg
Control
CRE-A, 12.5 mg/kg
CRE-A, 25 mg/kg
CRE-A, 50 mg/kg
CRE-B, 12.5 mg/kg
CRE-B, 25 mg/kg
CRE-B, 50 mg/kg
CRE-C, 6.2 mg/kg
CRE-C, 12.5 mg/kg
CRE-C, 25 mg/kg
CRE-C, 50 mg/kg
CRE-D, 6.2 mg/kg
CRE-D, 12.5 mg/kg
CRE-D, 25 mg/kg
CRE-D, 50 mg/kg
Imipramin, 30 mg/kg

Figure 4

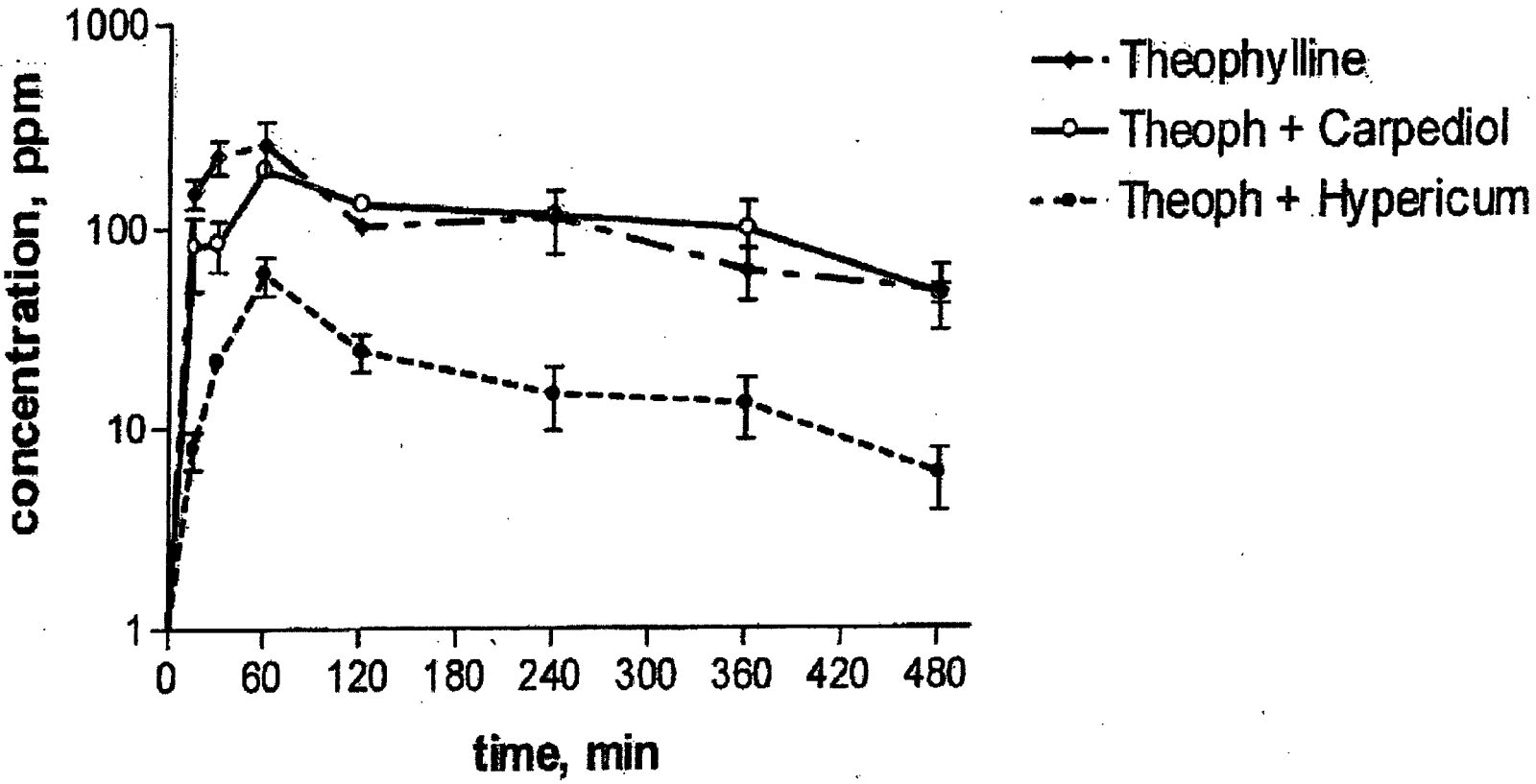

1000
100
10
1
concentration, ppm
0
60
120
180
240
300
360
420
480
time, min
Theophylline
Theoph + Carpediol
Theoph + Hypericum

Figure 5

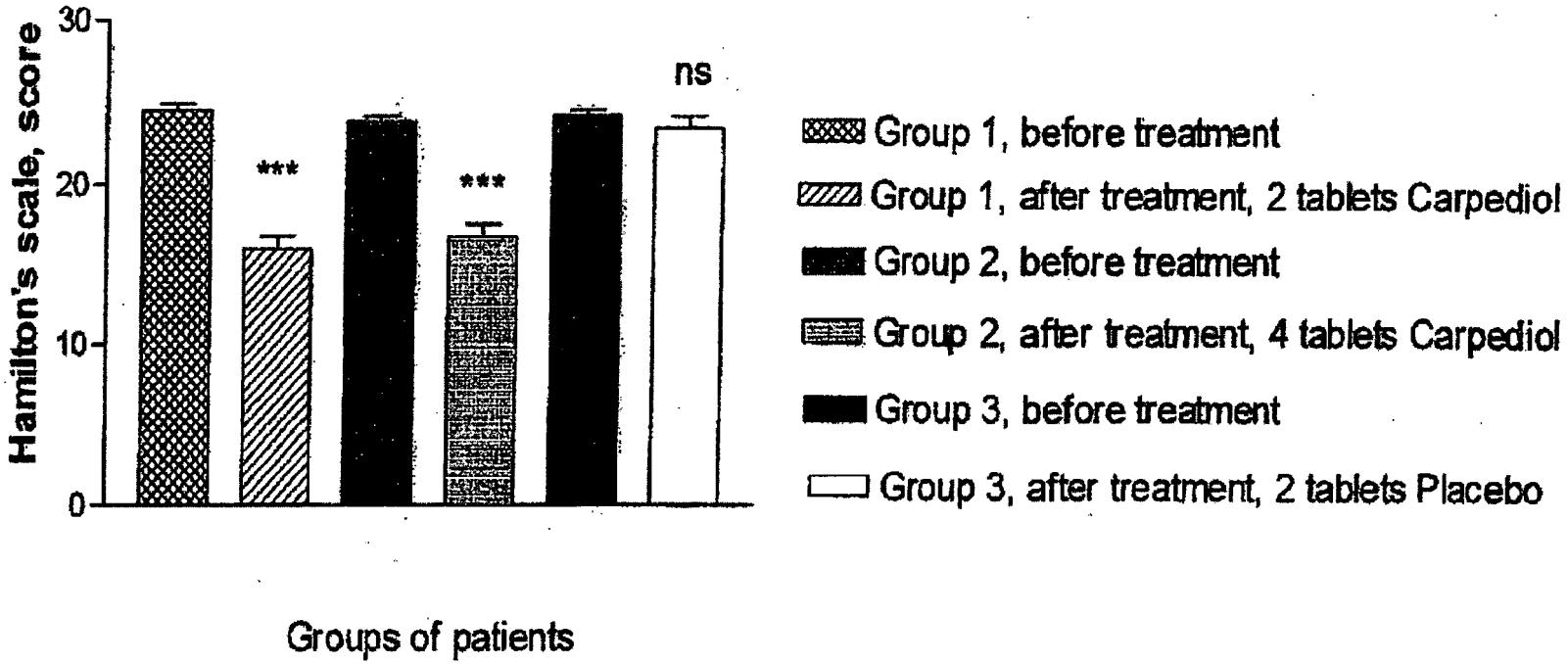
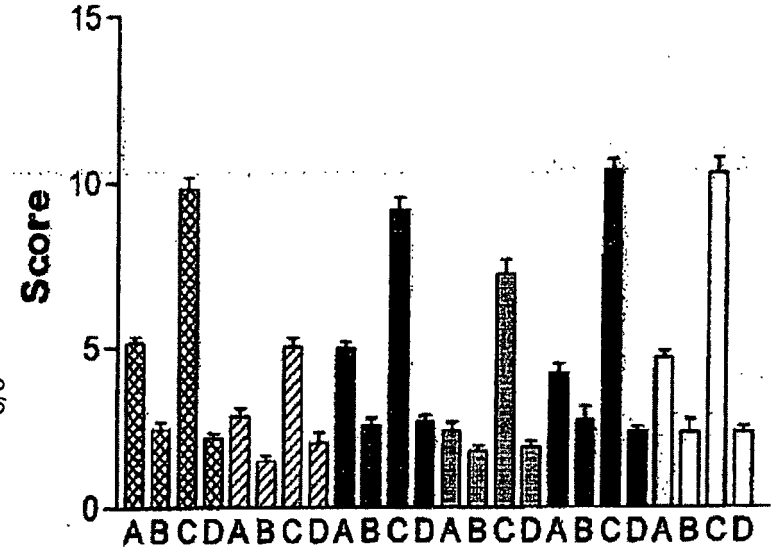

Hamilton's scale, score
30
20
10
0
***
***
ns
Group 1, before treatment
Group 1, after treatment, 2 tablets Carpediol
Group 2, before treatment
Group 2, after treatment, 4 tablets Carpediol
Group 3, before treatment
Group 3, after treatment, 2 tablets Placebo
Groups of patients

Figure 6



Group 1, before treatment

Group 1, after treatment, 2 tablets Carpediol

Group 2, before treatment

Group 2, after treatment, 4 tablets Carpediol

Group 3, before treatment

Group 3, after treatment, 2 tablets Placebo

HAMD subgrups I-IV

subrgoup A - insomnia
subrgoup B - emotional instability
subrgoup C - somatization and hypochondrials
subrgoup D - self-rating